

# ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

| <b>Title of Invention</b>        | APPARATUS AND METHOD OF FORMING CHANNELS IN A HEAT-EXCHANGING DEVICE  |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
|----------------------------------|---|--|--------------------------|-------------------|-----------|--------------|---|--------|----------------------|-------------|---|--------|------------|------|------------|--------|------------|-------|------------|--------------|--------------------|------|------------|--------------|------------------|-------|------------|--------------|---------------------|-------|------------|--|------------------|-------|--|
| Submision Type :                 | Information Disclosure Statement  |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| Application Number:              | 10/643684   |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| EFS ID:                          | 89293   |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| Server Response:                 | <table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>4600</td></tr><tr><td>USPTOEFSNot</td><td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a></td></tr></tbody></table>   |  |                          | Confirmation Code | Message   | ISVR1        | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1  | 4600                 | USPTOEFSNot | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a> |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| Confirmation Code                | Message   |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
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| ICON1                            | 4600  |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| USPTOEFSNot                      | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>   |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| First Named Applicant:           | Thomas Kenny  |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| Attorney Docket Number:          |   |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| Timestamp:                       | 2005-07-29 11:19:47 EDT   |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| From:                            | us  |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| File Listing:                    | <table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th><th>Date Produced (yyyymmdd)</th></tr></thead><tbody><tr><td>us-ids</td><td>COOL01600-usidst.xml</td><td>3148</td><td>2005-07-29</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td><td>2005-07-29</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td><td>2005-07-29</td></tr><tr><td>package-data</td><td>COOL01600-pkda.xml</td><td>1714</td><td>2005-07-29</td></tr><tr><td>package-data</td><td>package-data.dtd</td><td>27025</td><td>2005-07-29</td></tr><tr><td>package-data</td><td>us-package-data.xsl</td><td>19263</td><td>2005-07-29</td></tr><tr><td></td><td>Total files size</td><td>70939</td><td></td></tr></tbody></table> |  |                          | Doc. Name         | File Name | Size (Bytes) | Date Produced (yyyymmdd)  | us-ids | COOL01600-usidst.xml | 3148        | 2005-07-29  | us-ids | us-ids.dtd | 7763 | 2005-07-29 | us-ids | us-ids.xsl | 12026 | 2005-07-29 | package-data | COOL01600-pkda.xml | 1714 | 2005-07-29 | package-data | package-data.dtd | 27025 | 2005-07-29 | package-data | us-package-data.xsl | 19263 | 2005-07-29 |  | Total files size | 70939 |  |
| Doc. Name                        | File Name   | Size (Bytes)   | Date Produced (yyyymmdd) |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| us-ids                           | COOL01600-usidst.xml  | 3148   | 2005-07-29               |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| us-ids                           | us-ids.dtd  | 7763   | 2005-07-29               |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| us-ids                           | us-ids.xsl  | 12026  | 2005-07-29               |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| package-data                     | COOL01600-pkda.xml  | 1714   | 2005-07-29               |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| package-data                     | package-data.dtd  | 27025  | 2005-07-29               |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| package-data                     | us-package-data.xsl   | 19263  | 2005-07-29               |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
|                                  | Total files size  | 70939  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
| Message Digest:                  | 841d0a6305f556e165e34c68aa682d26bf0571c9  |  |                          |                   |           |              |   |        |                      |             |   |        |            |      |            |        |            |       |            |              |                    |      |            |              |                  |       |            |              |                     |       |            |  |                  |       |  |
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